



UL G 1-21 D 4H

Operator: Elevation Resources LLC
Geologist: Drew Bergman
County, State: Andrews, Texas
API Number: 42-003-48993-00-00
AFE: 24123

Field: Emma
Target: B1/B2
Lat: 32.191066° **GL:** 3118.0'
Long: -102.48595° **KB:** 3143.0'
Rig: Precision Drilling 567

Geosteers: Robert Ebbecke, Tyler Wood
TG Start: 8/15/2024
Spud: 8/8/2024 **TD:** 8/20/2024

Surveys

	MD	INC	AZI	TVD	N/S	E/W	VS	DLS
Tie In	0'	0.00°	0.00°	0.00'	0.00'	0.00'	0.00'	0.00°
1.	18'	0.00°	0.00°	18.00'	0.00'	0.00'	0.00'	0.00°
2.	113'	0.53°	146.81°	113.00'	-0.37'	0.24'	-0.41'	0.56°
3.	196'	0.18°	68.94°	196.00'	-0.64'	0.57'	-0.75'	0.63°
4.	278'	0.35°	193.22°	278.00'	-0.84'	0.64'	-0.96'	0.58°
5.	366'	0.31°	152.44°	366.00'	-1.31'	0.68'	-1.43'	0.26°
6.	459'	0.57°	154.55°	458.99'	-1.95'	1.00'	-2.12'	0.28°
7.	552'	0.40°	168.96°	551.99'	-2.69'	1.26'	-2.90'	0.22°
8.	648'	0.70°	145.23°	647.98'	-3.50'	1.66'	-3.78'	0.39°
9.	742'	0.26°	60.06°	741.98'	-3.87'	2.17'	-4.24'	0.77°
10.	833'	0.18°	202.54°	832.98'	-3.89'	2.30'	-4.30'	0.46°
11.	928'	0.22°	47.50°	927.98'	-3.91'	2.37'	-4.33'	0.41°
12.	1021'	0.48°	358.01°	1020.98'	-3.40'	2.49'	-3.86'	0.40°
13.	1116'	0.35°	343.69°	1115.98'	-2.72'	2.40'	-3.18'	0.17°
14.	1210'	0.26°	244.02°	1209.98'	-2.54'	2.12'	-2.94'	0.50°
15.	1303'	0.48°	196.65°	1302.97'	-3.01'	1.82'	-3.33'	0.39°
16.	1398'	0.40°	193.75°	1397.97'	-3.71'	1.63'	-3.97'	0.09°
17.	1492'	0.31°	190.49°	1491.97'	-4.28'	1.50'	-4.50'	0.10°
18.	1557'	0.35°	119.65°	1556.97'	-4.55'	1.64'	-4.80'	0.59°
19.	1674'	0.43°	265.22°	1673.97'	-4.76'	1.52'	-4.98'	0.64°
20.	1763'	2.25°	50.53°	1762.95'	-3.68'	2.53'	-4.14'	2.94°
21.	1853'	5.79°	50.17°	1852.71'	0.35'	7.39'	-1.26'	3.93°
22.	1942'	9.40°	50.01°	1940.92'	7.90'	16.40'	4.16'	4.06°
23.	2032'	12.50°	48.26°	2029.27'	19.11'	29.31'	12.30'	3.46°
24.	2121'	14.79°	49.29°	2115.75'	32.93'	45.11'	22.37'	2.59°
25.	2211'	17.26°	48.48°	2202.25'	49.28'	63.81'	34.27'	2.76°
26.	2300'	17.51°	48.50°	2287.18'	66.90'	83.73'	47.16'	0.28°
27.	2390'	17.24°	48.34°	2373.07'	84.74'	103.83'	60.22'	0.30°
28.	2480'	17.12°	48.22°	2459.06'	102.43'	123.67'	73.19'	0.14°
29.	2569'	17.09°	48.54°	2544.12'	119.82'	143.24'	85.92'	0.11°
30.	2659'	17.00°	47.72°	2630.17'	137.43'	162.89'	98.85'	0.29°
31.	2748'	17.00°	47.48°	2715.28'	154.97'	182.10'	111.81'	0.08°
32.	2838'	16.82°	47.35°	2801.39'	172.69'	201.38'	124.92'	0.20°
33.	2928'	16.62°	47.05°	2887.58'	190.28'	220.38'	137.98'	0.24°
34.	3017'	16.46°	46.99°	2972.90'	207.55'	238.91'	150.82'	0.18°
35.	3106'	16.06°	46.66°	3058.34'	224.60'	257.09'	163.53'	0.46°
36.	3284'	15.31°	46.31°	3229.71'	257.73'	291.99'	188.31'	0.42°
37.	3373'	14.88°	45.25°	3315.64'	273.89'	308.60'	200.48'	0.57°
38.	3463'	14.64°	44.39°	3402.67'	290.16'	324.76'	212.86'	0.36°
39.	3553'	14.30°	44.32°	3489.82'	306.24'	340.48'	225.14'	0.38°
40.	3642'	14.15°	43.50°	3576.09'	321.99'	355.65'	237.24'	0.28°
41.	3732'	13.98°	42.94°	3663.39'	337.93'	370.63'	249.55'	0.24°
42.	3821'	13.60°	43.17°	3749.82'	353.43'	385.11'	261.54'	0.43°
43.	3911'	13.35°	43.07°	3837.35'	368.74'	399.45'	273.38'	0.28°
44.	4000'	13.02°	43.09°	3924.00'	383.57'	413.31'	284.85'	0.37°



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Surveys

	MD	INC	AZI	TVD	N/S	E/W	VS	DLS
45.	4090'	12.78°	42.12°	4011.73'	398.35'	426.91'	296.33'	0.36°
46.	4179'	12.17°	40.72°	4098.63'	412.77'	439.64'	307.65'	0.76°
47.	4269'	12.46°	45.83°	4186.56'	426.72'	452.79'	318.42'	1.25°
48.	4358'	12.22°	48.84°	4273.50'	439.61'	466.77'	327.97'	0.77°
49.	4447'	11.70°	47.94°	4360.57'	451.86'	480.56'	336.93'	0.62°
50.	4537'	11.76°	47.43°	4448.69'	464.17'	494.09'	346.03'	0.13°
51.	4626'	11.31°	47.06°	4535.89'	476.25'	507.16'	354.99'	0.51°
52.	4716'	10.48°	44.49°	4624.27'	488.11'	519.35'	363.91'	1.07°
53.	4806'	9.81°	43.90°	4712.86'	499.47'	530.41'	372.61'	0.75°
54.	4896'	9.42°	42.42°	4801.60'	510.43'	540.69'	381.08'	0.51°
55.	4985'	8.92°	41.87°	4889.46'	520.95'	550.21'	389.28'	0.57°
56.	5074'	8.79°	40.49°	4977.40'	531.26'	559.23'	397.39'	0.28°
57.	5164'	8.43°	39.16°	5066.39'	541.60'	567.86'	405.62'	0.46°
58.	5253'	8.33°	38.38°	5154.44'	551.71'	575.98'	413.73'	0.17°
59.	5343'	8.14°	37.76°	5243.51'	561.86'	583.93'	421.91'	0.23°
60.	5433'	7.60°	36.33°	5332.66'	571.69'	591.36'	429.90'	0.64°
61.	5522'	7.25°	52.58°	5420.92'	579.85'	599.31'	436.14'	2.38°
62.	5612'	7.36°	55.08°	5510.19'	586.60'	608.55'	440.73'	0.37°
63.	5701'	5.13°	55.88°	5598.66'	592.09'	616.51'	444.37'	2.51°
64.	5791'	2.02°	56.46°	5688.47'	595.23'	621.17'	446.42'	3.46°
65.	5880'	1.07°	48.32°	5777.44'	596.65'	623.10'	447.38'	1.09°
66.	5970'	1.15°	40.48°	5867.42'	597.89'	624.31'	448.34'	0.19°
67.	6060'	1.02°	47.37°	5957.41'	599.12'	625.49'	449.28'	0.20°
68.	6149'	0.97°	53.68°	6046.39'	600.11'	626.68'	449.98'	0.14°
69.	6239'	0.86°	63.15°	6136.38'	600.86'	627.89'	450.46'	0.21°
70.	6328'	0.90°	61.79°	6225.37'	601.49'	629.10'	450.81'	0.05°
71.	6417'	0.75°	71.96°	6314.36'	602.00'	630.27'	451.06'	0.23°
72.	6507'	0.75°	67.28°	6404.35'	602.41'	631.38'	451.22'	0.07°
73.	6596'	0.60°	76.73°	6493.35'	602.75'	632.37'	451.33'	0.21°
74.	6685'	0.59°	81.18°	6582.34'	602.92'	633.27'	451.30'	0.05°
75.	6775'	0.58°	93.98°	6672.34'	602.96'	634.19'	451.15'	0.15°
76.	6864'	0.45°	107.45°	6761.34'	602.83'	634.97'	450.84'	0.20°
77.	6954'	0.54°	129.13°	6851.33'	602.45'	635.64'	450.33'	0.23°
78.	7043'	0.83°	136.49°	6940.33'	601.72'	636.41'	449.45'	0.34°
79.	7132'	1.21°	160.24°	7029.31'	600.37'	637.17'	447.97'	0.63°
80.	7222'	1.25°	163.72°	7119.29'	598.53'	637.76'	446.05'	0.09°
81.	7311'	1.18°	166.60°	7208.27'	596.71'	638.25'	444.16'	0.10°
82.	7401'	0.78°	184.39°	7298.26'	595.20'	638.42'	442.65'	0.55°
83.	7490'	0.67°	176.68°	7387.25'	594.07'	638.40'	441.55'	0.16°
84.	7580'	0.55°	172.26°	7477.25'	593.12'	638.49'	440.60'	0.14°
85.	7669'	0.71°	158.99°	7566.24'	592.18'	638.74'	439.63'	0.24°
86.	7759'	0.99°	156.89°	7656.23'	590.95'	639.25'	438.32'	0.31°
87.	7848'	1.15°	168.80°	7745.21'	589.36'	639.72'	436.67'	0.31°
88.	7937'	1.07°	178.23°	7834.20'	587.66'	639.92'	434.96'	0.22°



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89.	8027'	1.23°	175.19°	7924.18'	585.85'	640.03'	433.18'	0.19°
90.	8116'	1.20°	165.03°	8013.16'	584.00'	640.35'	431.30'	0.24°
91.	8206'	1.69°	162.42°	8103.13'	581.83'	640.99'	429.04'	0.55°
92.	8296'	2.29°	167.16°	8193.08'	578.81'	641.80'	425.92'	0.69°
93.	8385'	2.23°	163.21°	8282.01'	575.42'	642.69'	422.41'	0.19°
94.	8474'	1.36°	154.22°	8370.96'	572.81'	643.65'	419.66'	1.02°
95.	8564'	1.13°	141.38°	8460.94'	571.15'	644.67'	417.82'	0.40°
96.	8654'	1.11°	137.04°	8550.92'	569.82'	645.82'	416.27'	0.10°
97.	8744'	1.13°	135.18°	8640.91'	568.55'	647.04'	414.77'	0.05°
98.	8833'	1.14°	128.00°	8729.89'	567.39'	648.35'	413.34'	0.16°
99.	8922'	1.12°	120.12°	8818.87'	566.41'	649.80'	412.07'	0.18°
100.	9012'	1.05°	124.07°	8908.86'	565.50'	651.25'	410.88'	0.11°
101.	9101'	1.07°	118.89°	8997.84'	564.64'	652.65'	409.73'	0.11°
102.	9191'	1.02°	119.35°	9087.83'	563.84'	654.08'	408.64'	0.06°
103.	9281'	0.86°	123.83°	9177.81'	563.08'	655.34'	407.62'	0.20°
104.	9370'	0.83°	121.98°	9266.80'	562.36'	656.44'	406.69'	0.05°
105.	9460'	0.87°	125.73°	9356.79'	561.62'	657.55'	405.72'	0.08°
106.	9549'	0.76°	135.47°	9445.79'	560.80'	658.51'	404.71'	0.20°
107.	9639'	0.63°	129.74°	9535.78'	560.06'	659.31'	403.82'	0.16°
108.	9729'	0.59°	127.96°	9625.77'	559.46'	660.06'	403.07'	0.05°
109.	9818'	0.59°	139.76°	9714.77'	558.83'	660.72'	402.31'	0.14°
110.	9908'	0.41°	123.97°	9804.77'	558.29'	661.28'	401.67'	0.25°
111.	10014'	0.48°	53.52°	9910.76'	558.35'	661.95'	401.57'	0.49°
112.	10103'	13.48°	16.49°	9998.92'	568.56'	665.21'	410.83'	14.72°
113.	10193'	21.53°	8.82°	10084.69'	594.98'	670.73'	435.43'	9.29°
114.	10282'	25.30°	8.75°	10166.35'	629.93'	676.13'	468.38'	4.24°
115.	10372'	37.12°	13.38°	10243.20'	675.53'	685.38'	510.89'	13.39°
116.	10402'	40.78°	14.32°	10266.53'	693.83'	689.89'	527.78'	12.36°
117.	10432'	41.83°	9.25°	10289.07'	713.20'	693.93'	545.81'	11.69°
118.	10461'	40.94°	1.71°	10310.84'	732.26'	695.77'	564.02'	17.45°
119.	10551'	45.38°	348.23°	10376.61'	793.25'	690.10'	624.79'	11.35°
120.	10640'	56.23°	346.20°	10432.78'	860.39'	674.77'	693.65'	12.32°
121.	10730'	66.51°	343.54°	10475.85'	936.51'	654.09'	772.45'	11.71°
122.	10819'	79.25°	345.04°	10502.00'	1018.23'	631.15'	857.20'	14.40°
123.	10849'	85.70°	344.95°	10505.92'	1046.94'	623.45'	886.89'	21.50°
124.	10909'	94.02°	346.85°	10506.07'	1105.08'	608.85'	946.81'	14.22°
125.	10998'	90.52°	347.41°	10502.55'	1191.76'	589.04'	1035.73'	3.98°
126.	11087'	91.56°	347.76°	10500.93'	1278.66'	569.91'	1124.71'	1.23°
127.	11177'	89.76°	349.86°	10499.89'	1366.94'	552.45'	1214.67'	3.07°
128.	11266'	92.87°	348.06°	10497.85'	1454.25'	535.41'	1303.61'	4.04°
129.	11356'	93.40°	347.86°	10492.93'	1542.14'	516.67'	1393.47'	0.63°
130.	11446'	90.80°	348.20°	10489.63'	1630.12'	498.02'	1483.40'	2.91°
131.	11535'	89.26°	347.00°	10489.58'	1717.04'	478.91'	1572.39'	2.19°
132.	11625'	90.69°	348.14°	10489.62'	1804.93'	459.53'	1662.39'	2.03°



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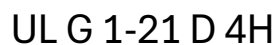
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133.	11714'	91.27°	350.90°	10488.10'	1892.42'	443.35'	1751.31'	3.17°
134.	11804'	90.18°	349.59°	10486.96'	1981.11'	428.10'	1841.19'	1.89°
135.	11894'	91.83°	347.40°	10485.38'	2069.28'	410.16'	1931.16'	3.05°
136.	11983'	91.25°	348.06°	10482.99'	2156.21'	391.25'	2020.12'	0.99°
137.	12072'	90.88°	347.68°	10481.34'	2243.21'	372.55'	2109.11'	0.60°
138.	12162'	91.33°	348.69°	10479.60'	2331.29'	354.13'	2199.08'	1.23°
139.	12252'	91.10°	349.18°	10477.69'	2419.59'	336.86'	2289.03'	0.60°
140.	12341'	91.22°	348.49°	10475.89'	2506.89'	319.63'	2377.99'	0.79°
141.	12431'	91.27°	347.46°	10473.94'	2594.89'	300.88'	2467.96'	1.15°
142.	12520'	91.22°	342.60°	10472.00'	2680.83'	277.90'	2556.83'	5.46°
143.	12609'	91.69°	345.77°	10469.74'	2766.42'	253.66'	2645.64'	3.60°
144.	12699'	91.30°	340.96°	10467.39'	2852.60'	227.91'	2735.36'	5.36°
145.	12789'	90.94°	342.67°	10465.63'	2938.08'	199.83'	2824.90'	1.94°
146.	12878'	91.72°	347.99°	10463.57'	3024.12'	177.30'	2913.78'	6.04°
147.	12968'	91.80°	349.32°	10460.80'	3112.32'	159.61'	3003.71'	1.48°
148.	13057'	92.31°	347.05°	10457.61'	3199.38'	141.40'	3092.64'	2.61°
149.	13147'	92.48°	344.57°	10453.85'	3286.55'	119.36'	3182.52'	2.76°
150.	13236'	91.86°	344.80°	10450.48'	3372.32'	95.87'	3271.35'	0.74°
151.	13325'	91.16°	345.52°	10448.13'	3458.32'	73.08'	3360.24'	1.13°
152.	13415'	93.12°	346.44°	10444.77'	3545.58'	51.29'	3450.14'	2.41°
153.	13505'	89.96°	347.68°	10442.35'	3633.25'	31.15'	3540.10'	3.77°
154.	13594'	88.70°	351.09°	10443.39'	3720.70'	14.76'	3629.03'	4.08°
155.	13684'	91.69°	350.95°	10443.09'	3809.59'	0.71'	3718.84'	3.33°
156.	13774'	92.31°	350.99°	10439.95'	3898.42'	-13.40'	3808.62'	0.69°
157.	13864'	93.04°	351.12°	10435.75'	3987.23'	-27.38'	3898.35'	0.82°
158.	13953'	92.81°	351.16°	10431.21'	4075.05'	-41.07'	3987.05'	0.26°
159.	14043'	89.51°	349.62°	10429.38'	4163.75'	-56.09'	4076.90'	4.05°
160.	14132'	92.03°	352.58°	10428.19'	4251.66'	-69.86'	4165.70'	4.37°
161.	14221'	91.55°	349.05°	10425.41'	4339.46'	-84.06'	4254.49'	4.00°
162.	14311'	90.35°	349.35°	10423.91'	4427.85'	-100.92'	4344.44'	1.37°
163.	14401'	90.99°	347.82°	10422.86'	4516.06'	-118.73'	4434.41'	1.84°
164.	14490'	89.76°	347.04°	10422.28'	4602.92'	-138.10'	4523.41'	1.64°
165.	14580'	90.41°	346.63°	10422.15'	4690.56'	-158.59'	4613.40'	0.85°
166.	14670'	89.65°	346.85°	10422.10'	4778.16'	-179.24'	4703.39'	0.88°
167.	14759'	92.23°	346.54°	10420.64'	4864.75'	-199.71'	4792.36'	2.92°
168.	14849'	90.46°	346.28°	10418.53'	4952.20'	-220.85'	4882.32'	1.99°
169.	14938'	90.77°	345.71°	10417.57'	5038.55'	-242.39'	4971.28'	0.73°
170.	15027'	93.49°	347.10°	10414.26'	5124.99'	-263.30'	5060.20'	3.43°
171.	15117'	93.57°	347.43°	10408.72'	5212.61'	-283.10'	5150.02'	0.38°
172.	15206'	92.37°	346.43°	10404.11'	5299.18'	-303.20'	5238.90'	1.75°
173.	15296'	92.17°	346.35°	10400.55'	5386.59'	-324.36'	5328.81'	0.24°
174.	15386'	87.63°	344.90°	10400.70'	5473.74'	-346.70'	5418.74'	5.30°
175.	15475'	90.55°	345.20°	10402.12'	5559.71'	-369.65'	5507.64'	3.30°
176.	15565'	91.50°	345.48°	10400.51'	5646.77'	-392.42'	5597.56'	1.10°



Geosteerers:	Robert Ebbecke, Tyler Wood
TG Start:	8/15/2024
Spud:	8/8/2024
TD:	8/20/2024

[illegible]